

P **Coffea arabica**

Common Name(s)

Coffee

How Used

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	Chemical Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	10-O-METHYLCAFESTOL	Seed	--	--		
0	2,3,5-TRIMETHYLPHENOL	Seed	--	--		Jim Duke's personal files.
0	2-ETHYLPHENOL	Seed	--	--		Jim Duke's personal files.
0	2-METHOXY-4-ETHYLPHENOL	Seed	--	--		Jim Duke's personal files.
0	24-METHYLENE-CYCLOARTENOL	Seed	--	--		
0	24-METHYLENEPHENOL	Seed	--	--		
2	3,4-DICAFFEOYL-QUINIC-ACID	Seed	--	--		
3	3,5-DICAFFEOYL-QUINIC-ACID	Seed	--	--		
0	4,5-DICAFFEOYL-QUINIC-ACID	Seed	--	--		
0	4-ETHYLPHENOL	Seed	--	--		Jim Duke's personal files.
0	4-METHOXY-4-VINYLPHENOL	Seed	--	--		Jim Duke's personal files.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	5-AVENASTEROL	Seed	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	7-STIGMASTEROL	Seed	--			
6	ACETALDEHYDE	Seed	--			
11	ADENINE	Seed	--			
0	ALLANTOIC-ACID	Leaf	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
12	ALLANTOIN	Leaf	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
32	ALPHA-TOCOPHEROL	Seed	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.	
0	ARABINOGLUCOSE	Seed	--			
0	ARABINOSE	Seed	--			
0	ARACHIDIC-ACID	Seed	--			
0	ASH	Seed	37400	37400	-0.31521697993801695	
2	ASPARAGINE	Seed	--			
3	ASPARTIC-ACID	Seed	--			
0	ATRACTYLIGENIN	Seed	--			
53	BETA-CAROTENE	Leaf	20	25	-1.0290654853904624	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
47	BETA-SITOSTEROL	Seed 520	530	-0.42759619083407946		
0	BETA-TOCOPHEROL	Seed --	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.	
0	CAFESTEROL	Seed --	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.	
2	CAFESTOL	Seed --	6000			
102	CAFFEIC-ACID	Fruit --	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.	
102	CAFFEIC-ACID	Leaf --	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.	
62	CAFFEINE	Seed 600	32000	0.32954849831842203		
0	CAFFEOL	Seed --	--			
0	CAFFEOYL-3-QUINIC-ACID	Seed --	--			
0	CAFFETANNIC-ACID	Seed 84600	84600		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
0	CAHWEOL	Seed --	--			
28	CALCIUM	Seed 1200	1281	-0.5262569010113829	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
28	CALCIUM	Leaf	19000	20406	0.1345247907090656	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CAMOESTANOL	Seed	--	--		
0	CAMPESTANOL	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	CAMPESTEROL	Seed	110	120	-0.3742741742761247	
0	CAPRINIC-ACID	Seed	--	--		
0	CARBOHYDRATES	Seed	600000	728000	0.8131126460843718	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARBOHYDRATES	Leaf	666000	712000	0.7964570524747036	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARNAUBIC-ACID	Seed	--	--		
1	CELLULOSE	Seed	--	--		
77	CHLOROGENIC-ACID	Seed	50000	100000	2.099473455662158	
0	CHOLESTANOL	Seed	--	--		
1	CHOLESTEROL	Seed	--	--		
20	CHOLINE	Seed	300	300	-1.291686985764833	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
23	CITRIC-ACID	Seed	--	--		

	Chemical Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
1	CITROSTADIENOL	Seed --	--			
0	COFFEASTEROL	Seed --	--			
7	CYANIDIN	Plant --	--			
3	CYCLOEUCALENOL	Seed --	--			
13	CYSTEINE	Seed --	--			
2	CYSTINE	Seed --	--			
0	DATURIC-ACID	Seed --	--			
0	DEXTRINS	Seed 8700	8700			
0	DIHYDROLANASTEROL	Seed --	--			
0	DIHYDROSITOSTEROL	Seed --	--			
0	DIMETHYL-5-ALPHA-CHOLEST-7-EN-3-BETA-OL	Seed --	--			
0	DIMETHYL-5-ALPHA-CHOLEST-8-EN-3-BETA-OL	Seed --	--			
0	ENT-16-KAUREN-19-OL	Plant --	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.	
0	EO	Seed 1000	2000	-0.5252163822922106		
76	EUGENOL	Seed --	--		Jim Duke's personal files.	
0	FAT	Leaf 55000	59000	0.05057198773678454	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	FAT	Seed 74000	170000	-0.5024405631299633		
15	FIBER	Leaf 175000	187000	0.3149049121779396	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	

Chemical Plant Part		Low PPM	High PPM	StdDev Reference	Citation	
15	FIBER	Seed	229000	244000	0.8624290700798181	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FUFURYL-ALCOHOL	Seed	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
0	FURFURALDEHYDE	Seed	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
0	GALACTAN	Seed	--	--		
0	GALACTOMANNAN	Seed	--	--		
0	GAMMA-SITOSTEROL	Seed	--	--		
14	GAMMA-TOCOPHEROL	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.	
0	GLUCOGALACTOMANNAN	Seed	--	--		
8	GLUTAMIC-ACID	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.	
18	GUAIACOL	Seed	--	--	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	GUANOSINE	Seed	--	--		
0	HEMICELLULOSE	Seed	--	--		
0	HOMOCELLULOSE	Seed	--	--		
0	HYDROGEN-SULFIDE	Seed	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	HYPOXANTHINE	Seed --	--			
6	IRON	Leaf 966	1032	1.6952709840911955	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
6	IRON	Seed 29	31	-0.5565954591757142	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
4	ISOCHLOROGENIC-ACID	Seed --	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London.	791 pp.
16	ISOEUGENOL	Seed --	--		Jim Duke's personal files.	
0	KAHWEOL	Seed --	3000			
0	L-ASPARAGINE	Fruit --	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London.	791 pp.
0	L-ASPARTIC-ACID	Fruit --	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London.	791 pp.
1	LANOSTEROL	Seed --	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York.	649 pp.
1	LIGNOCERIC-ACID	Seed --	--			
27	LINOLEIC-ACID	Seed --	--			

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	LINOLENIC-ACID	Seed 33300	72000	0.6770794300897944	ANON.	1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	M-CRESOL	Seed --	--			Jim Duke's personal files.
0	MANNAN	Seed --	--			
3	MANNOSE	Seed --	--			
15	METHIONINE	Seed --	--			
0	METHYL-1-5-ALPHA-STIGMAST-7-EN-3-BETA-OL	Seed --	--			
6	MYRISTIC-ACID	Seed --	--			
1	N-NONACOSANE	Seed --	--		Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
39	NIACIN	Leaf 52	56	-0.5047983115442195	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
39	NIACIN	Seed 13	14	-0.8646782329499472	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	NITROGEN	Seed 16000	23000	-0.08890229552415746	ANON.	1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	O-CRESOL	Seed --	--		Jim Duke's personal files.	
0	O-XYLENOL	Seed --	--		Jim Duke's personal files.	
0	OBTUSIFOLIOL	Seed --	--			
18	OLEIC-ACID	Seed 5920	12800	-0.8738766959416714		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
9	OXALIC-ACID	Fruit 154	154	-0.2978571100852865	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.	
25	P-COUMARIC-ACID	Plant --	--			
8	P-CRESOL	Seed --	--		Jim Duke's personal files.	
0	P-XYLENOL	Seed --	--		Jim Duke's personal files.	
13	PALMITIC-ACID	Seed 23680	23680	-0.21100581460020332		
24	PECTIN	Seed --	--			
0	PENTOSANE	Seed --	--			
0	PENTOSANS	Seed --	--			
4	PHOSPHORUS	Leaf 1700	1816	-0.580562542862247	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
4	PHOSPHORUS	Seed 1780	1900	-0.9125797887501755	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	PHYTATE	Seed 7	370	-1.5315645120943797		
2	PHYTOSTEROLS	Seed 920	940	-0.39269135400530825	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)	
0	POLYAMINES	Seed --	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.	
0	PROTEIN	Leaf 99000	99000	-1.1257384013756186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	PROTEIN	Seed 98700	140000	-0.8343645955506414	ANON.	1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PUTRESCINE	Seed --	--		Leung, A.Y.,	Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	RAFFINOSE	Seed --	--			
0	RHAMNOSE	Seed --	--			
15	RIBOFLAVIN	Leaf 2	2	-0.16848655199175794	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
15	RIBOFLAVIN	Seed 1	1	-0.9674166926890354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
0	SACCHAROSE	Seed --	--			
7	SALICYLATES	Seed --	10	-0.2865247216874145		
44	SCOPOLETIN	Seed --	--			
9	SINAPIC-ACID	Plant --	--			
1	SPERMIDINE	Seed --	--		Leung, A.Y.,	Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
1	SPERMINE	Seed --	--		Leung, A.Y.,	Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
10	SQUALENE	Seed --	--		List, P.H. and Horhammer, L.,	Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
1	STACHYOSE	Seed --	--			
8	STEARIC-ACID	Seed 5920	12800	-0.28767350524597596		
12	STIGMASTEROL	Seed 240	270	-0.18717042991843028		
0	SUGAR	Seed 4300	4300	-0.9041931273600093	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
41	TANNIC-ACID	Seed --	--			
35	TANNIN	Seed 90000	90000	0.12467231877609526		
0	TETRACOSIC-ACID	Seed --	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
21	THEOBROMINE	Leaf --	--			
21	THEOBROMINE	Seed 18	20	-0.49992618078868906		
36	THEOPHYLLINE	Leaf --	--			
36	THEOPHYLLINE	Seed --	5	-0.8086779488341806		
31	THIAMIN	Seed 2	2	-1.0937002421726418	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses	
15	TRIGONELLINE	Seed 3000	13000	2.6975560988319325		
0	WATER	Seed 60000	100000	-0.4896816688601282		
0	WAX	Seed 10000	14000	1.2675004445952587	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
1	XANTHINE	Seed	--	--		
0	XYLAN	Seed	--	--		